

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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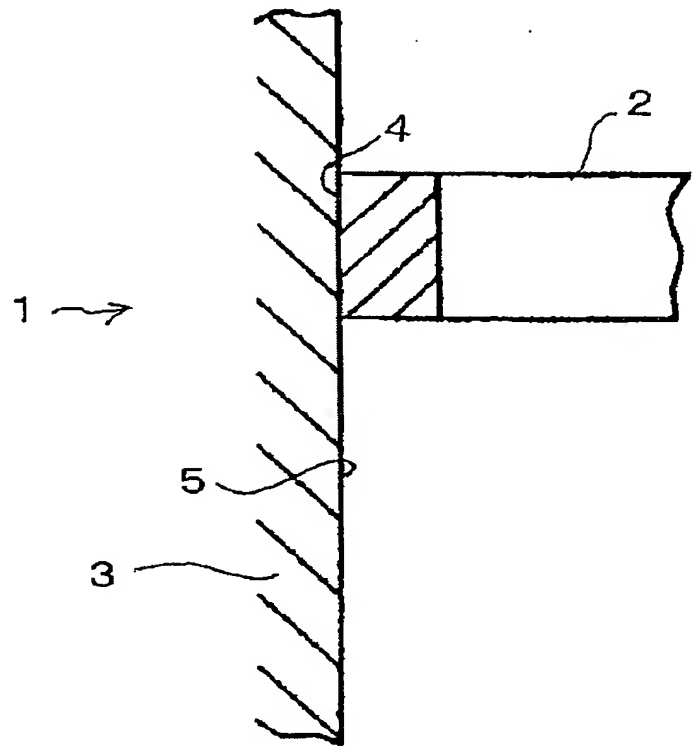
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TITLE : COMBINED SLIDING MEMBER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a combined sliding member constituted of a piston ring and a cylinder liner corresponding to low friction in an internal combustion engine.

SOLUTION: The purpose is attained by providing the combined sliding member 1 having a piston ring 2 having a sliding surface 4 of 0.5 to 1.0  $\mu\text{mRz}$  surface roughness and a cylinder liner 3 having a sliding surface 5 of 0.5 to 1.5  $\mu\text{mRz}$  surface roughness. Here it is preferable to make the sliding surface 4 of the piston ring 2 by any of a chrome plated layer, laminated chrome plated layer, nitride layer, and a PVD layer, and make the sliding surface 5 of the cylinder liner 3 by any of cast iron, boron cast iron, and cast steel.

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